

Amendments to the Specification

Please replace the paragraph on page 5, lines 16-17 with the following written paragraph:

Figures 2A-GE illustrate in cross-section electro-optical devices employed in an image forming system and fabricated according to conventional methods.

Please replace the paragraph on page 6, lines 6-12 with the following written paragraph:

Referring to Figs. 2A-2E, a series of cross-sectional views of an electro-optical device are is depicted illustrating the manner in which a photosensitive chip can be manufactured according to conventional methods. Parts of two photosensitive chips 10a and 10b are shown in cross-section fashioned from the single wafer 11. In Fig. 2A, three photosensors 14a-c are shown embedded in a substrate 18 in part of the photosensitive chips 10a and 10b. Some surface irregularities are also shown as the surface topography 20. A clear base layer 22 may be disposed on the top surface of the substrate 18.

Please replace the paragraph on page 7, starting at line 20 with the following written paragraph:

Sensors placed next to each other in the linear imaging array are formed from different parts of the wafer 11. Therefore, any two photosensors in the array sensing the same color of light may have above them filter layers of different ~~thickness~~ thicknesses, resulting in different intensities of light passing through the disparate filter layers to the photosensors below. Such variations result in diminished image reproduction quality.

Please replace the paragraph on page 8, lines 6-14 with the following written paragraph:

Referring to Figs. 3A-3D, a series of diagrams ~~are~~ is depicted illustrating the manner in which an electro-optical device, such as a photosensitive chip 10, for sensing images in an image forming system, can be manufactured according to the teachings of the present invention. Image forming systems include electrophotographic, electrostatic or electrostatographic, ionographic, and other types of image forming or reproducing systems that are adapted to capture and/or store image data associated with a particular object, such as a document. The system of the present invention is intended to be implemented in a variety of environments, such as in any of the foregoing types of image forming systems, and is not limited to the specific systems described below.

Please replace the paragraph on page 9, lines 1-4, with the following written paragraph:

The ~~photosensor~~ photosensors 14a-c ~~includes~~ include a device adapted to output a signal indicative of the frequency or intensity of light impinging thereon. Various photosensors 14, such as charge coupled devices, and complimentary metal oxide semiconductor sensors, are known in the art that can be used in the photosensitive chip 10.

Please replace the paragraph on page 14, lines 18-22, with the following written paragraph:

The principles of the present invention can also be applied to other primary colors, such as cyan, magenta, and yellow (CMY). Referring to Fig. 4A-D, a series of diagrams ~~are~~ is depicted illustrating the manner in which an electro-optical device, such as a photosensitive chip 10, for sensing images in an image forming system, can be manufactured according to the present invention using the three primary colors CMY.